

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	3	"7054397"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 07:23
S2	19	("4715048"   "4956864"   "5179728"   "5592490"   "5710977"   "5742583"   "5809087"   "5826170"   "5859842"   "5881057"   "5910948"   "5963586"   "5966095"   "6069583"   "6172970"   "6233459"   "6400318"   "6449469").PN. OR ("7054397").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/18 07:48
S3	3	(plurality or each or more) with frequency adj2 (shift\$3 or \$4conver \$4) same (ADC or "A/D" or analog adj1 to adj1 digital) same (band adj1 pass\$3 adj1 filter \$3) with (plurality or each or more)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/18 07:57
S4	11	(plurality or each or more) with (frequency adj2 (shift\$3 or \$4conver \$4) or down \$3conver\$4) same (ADC or "A/D" or analog adj1 to adj1 digital) same (band adj1 pass\$3 adj1 filter\$3) with (plurality or each or more)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/18 08:00

S5	24	(plurality or each or more) with (frequency adj2 (shift\$3 or \$4conver\$4) or down \$3conver\$4) and (ADC or "A/D" or analog adj1 to adj1 digital) same (band adj1 pass\$3 adj1 filter\$3) with (plurality or each or more)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/18 08:04
S6	24	(plurality or each or more or multiple or several) with (frequency adj2 (shift\$3 or \$4conver\$4) or down \$3conver\$4) and (ADC or "A/D" or analog adj1 to adj1 digital) same (band adj1 pass\$3 adj1 filter\$3) with (plurality or each or more)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/18 14:33
S7	256	(plurality or each or more or multiple or several) with (frequency adj2 (shift\$3 or \$4conver\$4) or down \$3conver\$4) and (ADC or "A/D" or analog adj1 to adj1 digital) same (band adj1 pass\$3 adj1 filter\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/18 14:37
S8	37	(plurality or each or more or multiple or several) with (frequency adj2 (shift\$3 or \$4conver\$4) or down \$3conver\$4) and (ADC or "A/D" or analog adj1 to adj1 digital) same (band adj1 pass\$3 adj1 filter\$3) with (plurality or each or more or multiple or several)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/18 14:45

S9	4	(plurality or each or more or multiple or several) with (frequency adj2 (shift\$3 or \$4conver \$4) or down \$3conver\$4) and (ADC or "A/D" or analog adj1 to adj1 digital) same (band adj1 pass\$3 adj1 filter\$3) same cancel\$6	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/18 14:46
S10	256	(plurality or each or more or multiple or several) with (frequency adj2 (shift\$3 or \$4conver \$4) or down \$3conver\$4) and (ADC or "A/D" or analog adj1 to adj1 digital) same (band adj1 pass\$3 adj1 filter\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/18 14:45
S11	9	(plurality or each or more or multiple or several) with (frequency adj2 (shift\$3 or \$4conver \$4) or down \$3conver\$4) and (ADC or "A/D" or analog adj1 to adj1 digital) same (band adj1 pass\$3 adj1 filter\$3) and interference adj3 cancel\$6	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/18 14:47
S12	7	S11 not S9	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/18 14:55
S14	6	"6639551"	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/18 14:55

S15	230	(plurality or each or more or multiple or several) with (frequency adj2 (shift\$3 or \$4conver \$4) or down \$3conver\$4) and (ADC or "A/D" or analog adj1 to adj1 digital) same (band adj1 pass\$3 adj1 filter\$3) and (quadrature or imaginary or "Q")	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/09 14:50
S16	71	(plurality or each or more or multiple or several) with (frequency adj2 (shift\$3 or \$4conver \$4) or down \$3conver\$4) and (ADC or "A/D" or analog adj1 to adj1 digital) same (quadrature or imaginary or "Q") same (band adj1 pass\$3 adj1 filter \$3)	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/09 14:51
S17	129	(plurality or each or more or multiple or several) with (frequency adj2 (shift\$3 or \$4conver \$4) or down \$3conver\$4 or mixer or demodulator) and (ADC or "A/D" or analog adj1 to adj1 digital) same (quadrature or imaginary or "Q") same (band adj1 pass\$3 adj1 filter \$3)	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/09 14:52

S18	36	(plurality or each or more or multiple or several) with (frequency adj2 (shift\$3 or \$4conver\$4) or down \$3conver\$4 or mixer or demodulator) and (ADC or "A/D" or analog adj1 to adj1 digital) with (quadrature or imaginary or "Q") with (band adj1 pass\$3 adj1 filter \$3)	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/09 14:52
S19	2	MIMO and (frequency adj2 (shift\$3 or \$4conver\$4) or down \$3conver\$4 or mixer or demodulator) and (ADC or "A/D" or analog adj1 to adj1 digital) with (quadrature or imaginary or "Q") with (band adj1 pass\$3 adj1 filter \$3)	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/09 15:29
S20	4	MIMO and (frequency adj2 (shift\$3 or \$4conver\$4) or down \$3conver\$4 or mixer or demodulator) and (ADC or "A/D" or analog adj1 to adj1 digital) with (quadrature or imaginary or "Q") same (band adj1 pass\$3 adj1 filter \$3)	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/09 15:34
S21	2	S20 not S19	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/09 15:34

S22	11	MIMO and (frequency adj2 (shift\$3 or \$4conver\$4) or down \$3conver\$4 or mixer or demodulator) and (ADC or "A/D" or analog adj1 to adj1 digital) same (quadrature or imaginary or "Q") same (band adj1 pass\$3 adj1 filter \$3)	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/09 15:35
S23	7	S22 not S20	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/09 15:35
S24	69	(plurality or each or more or multiple or several) with (frequency adj2 (shift\$3 or \$4conver\$4) or down \$3conver\$4 or mixer or demodulator) and (ADC or "A/D" or analog adj1 to adj1 digital) with (quadrature or imaginary or "Q") same (band adj1 pass\$3 adj1 filter \$3)	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/09 15:36
S25	33	S24 not S18	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/09 15:37
S26	5	("5321849"   "6411825"   "6480528").PN. OR ("6819706").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/10 07:57
S27	1	10/677,058	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/10 11:29
S28	1	"6175327".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/10 15:53
S29	1	"5782540".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/10 16:12
S30	1	"5872540".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/10 16:14

S31	2	omni\$3direction\$3 with antenna and (plurality or each or more or multiple or several) with (frequency adj2 (shift\$3 or \$4conver \$4) or down \$3conver\$4) and (ADC or "A/D" or analog adj1 to adj1 digital) same (band adj1 pass\$3 adj1 filter\$3) and (quadrature or imaginary or "Q")	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/10 16:19
S33	80	omni\$3direction\$3 adj2 antenna and (frequency adj2 (shift\$3 or \$4conver \$4) or down \$3conver\$4) and (ADC or "A/D" or analog adj1 to adj1 digital) same (band adj1 pass\$3 adj1 filter\$3) and (quadrature or imaginary or "Q")	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/10 16:22
S34	3	omni\$3direction\$3 adj2 antenna and (frequency adj2 (shift\$3 or \$4conver \$4) or down \$3conver\$4) and (ADC or "A/D" or analog adj1 to adj1 digital) with (band adj1 pass\$3 adj1 filter\$3) and (quadrature or imaginary or "Q")	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/10 16:23
S35	76	S33 not S31 not S34	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/10 16:25

S37	36	(plurality or each or more or multiple or several) with (frequency adj2 (shift\$3 or \$4conver\$4) or down \$3conver\$4 or mixer or demodulator) and (ADC or "A/D" or analog adj1 to adj1 digital) with (quadrature or imaginary or "Q") with (band adj1 pass\$3 adj1 filter \$3)	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/10 16:34
S38	69	(plurality or each or more or multiple or several) with (frequency adj2 (shift\$3 or \$4conver\$4) or down \$3conver\$4 or mixer or demodulator) and (ADC or "A/D" or analog adj1 to adj1 digital) with (quadrature or imaginary or "Q") same (band adj1 pass\$3 adj1 filter \$3)	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/10 16:34
S39	33	S38 not S37	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/10 16:34
S40	2	S39 and interference adj4 cancellation	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/10 16:34
S44	45	(omni\$2direction\$2 adj1 antenna) near (advantage or benefit or improv\$5 or reduc\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/12 22:09
S45	6	(omni\$2direction\$2 adj1 antenna) near (advantage or benefit )	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/12 22:09
S46	39	S44 not S45	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/12 22:11



S47	108	(omni\$2direction\$2 adj 1 antenna) with (advantage or benefit )	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/12 22:15
S48	101	S47 not S44	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/12 22:16

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